

Title (en)
FOLDING DEVICE WITH LOCKING MEANS

Title (de)
KLAPPVORRICHTUNG MIT VERRIEGELUNG

Title (fr)
DISPOSITIF PLIANT AVEC VERROUILLAGE

Publication
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Application
EP 12743063 A 20120717

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Abstract (en)
[origin: WO2013013667A1] The invention relates to a swing-action device with locking means which is intended for a bicycle and has, on one side, a swing-action articulation and, on the other side, a locking mechanism which contains a locking group, which is connected in a rotatable manner to a supporting element (4b) and is braced against a curved clamping surface (5d) of a clamping element (5b) arranged on the opposite side, said clamping surface running eccentrically in relation to the axis of rotation of the locking group. Known swing-action devices of this kind have overly short clamping displacements, require additional central elevations and depressions for positioning the parts and/or are unstable or have low adjustment tolerances in the clamping connection. According to the invention, the extended axis of rotation of the locking group, in the locked state of the swing-action device, is located within the circle described by the radius of curvature of the clamping surface (5d), and this allows a large clamping displacement. An adjusting nut adjusts the pressure to which the clamping surface is subjected in the locked state by the locking group. A straightforward securing means keeps the locking group in the locked state. It is advantageous that the swing-action device can be produced cost-effectively from identical extruded profiles.

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Citation (search report)
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